

=> file reg; d que 13

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STRUCTURE FILE UPDATES: 26 FEB 2003 HIGHEST RN 495373-62-1
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TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

L3 635 SEA FILE=REGISTRY ABB=ON PLU=ON EGPWLEEEE|ELGPQGRPPPPC/SQSFP

=> file caplus

FILE 'CAPLUS' ENTERED AT 14:20:39 ON 27 FEB 2003
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FILE COVERS 1907 - 27 Feb 2003 VOL 138 ISS 9
FILE LAST UPDATED: 26 Feb 2003 (20030226/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d que 19

L3 635 SEA FILE=REGISTRY ABB=ON PLU=ON EGPWLEEEE|ELGPQGRPPPPC/SQSFP

L5 341 SEA FILE=CAPLUS ABB=ON PLU=ON L3

L6 6111 SEA FILE=CAPLUS ABB=ON PLU=ON HEMOCYANIN?

L9 1 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND L6

=> d que 110

L3 635 SEA FILE=REGISTRY ABB=ON PLU=ON EGPWLEEEE|ELGPQGRPPPPC/SQSFP

L5 341 SEA FILE=CAPLUS ABB=ON PLU=ON L3

L7 3025 SEA FILE=CAPLUS ABB=ON PLU=ON TOXINS/CT (L) (DIPHThERIA OR TETANUS)

L10 0 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND L7

=> d que 111

L3 635 SEA FILE=REGISTRY ABB=ON PLU=ON EGPWLEEEE|ELGPQGRPPPPC/SQSFP

L5 341 SEA FILE=CAPLUS ABB=ON PLU=ON L3

L8 486 SEA FILE=CAPLUS ABB=ON PLU=ON HYPERGASTRINEMIA

L11 1 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND L8

=> s 19 or 111

L12 2 L9 OR L11

=> d 112 1-2 ibib ab hitrn

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:181660 CAPLUS

DOCUMENT NUMBER: 126:263155

TITLE: Immunogenic compositions against gastrin peptides

INVENTOR(S): Gevas, Philip C.; Karr, Stephen L.; Grimes, Stephen; Littenberg, Richard L.

PATENT ASSIGNEE(S): Aphton Corp., USA

SOURCE: U.S., 25 pp., Cont.-in-part of U.S. Ser. No. 351,193, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| US 5607676 | A | 19970304 | US 1991-721638 | 19910722 |
| US 5023077 | A | 19910611 | US 1989-301353 | 19890124 |
| WO 9008774 | A1 | 19900809 | WO 1990-US520 | 19900123 |
| W: AU, BR, CA, DK, FI, HU, JP, KR, NO, SU, US, US | | | | |
| AU 9050820 | A1 | 19900824 | AU 1990-50820 | 19900123 |
| AU 645967 | B2 | 19940203 | | |
| JP 04503072 | T2 | 19920604 | JP 1990-503438 | 19900123 |
| JP 2526418 | B2 | 19960821 | | |
| US 5622702 | A | 19970422 | US 1994-219773 | 19940330 |
| US 5609870 | A | 19970311 | US 1994-285984 | 19940804 |
| US 5785970 | A | 19980728 | US 1995-462158 | 19950605 |
| US 5866128 | A | 19990202 | US 1995-465546 | 19950605 |
| PRIORITY APPLN. INFO.: | | | US 1989-301353 | 19890124 |
| | | | US 1989-351193 | 19890512 |
| | | | WO 1990-US520 | 19900123 |
| | | | US 1991-679212 | 19910419 |
| | | | US 1991-721638 | 19910722 |
| | | | US 1994-219773 | 19940330 |
| | | | US 1994-285984 | 19940804 |

AB Immunogenic compns. useful for the treatment of ulcers or tumors whose growth is dependent on or stimulated by gastrin hormones are disclosed. The immunogenic compns. induce antibodies in a subject which selectively

neutralize the specific hormones. Pharmaceutical compns. comprising effective amts. of the immunogenic compns. and methods of treatment using the compns. are disclosed. A method of reversing the inventive treatments by neutralizing the antibodies induced in vivo is also disclosed.

IT 60675-77-6, Human gastrin-34 I *← use RN to match sequence to citation. Sequences shown on next page.*
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(immunogenic compns. against human gastrin peptides as vaccine for treating gastrin-dependent ulcers and tumors)

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1980:104699 CAPLUS

DOCUMENT NUMBER: 92:104699

TITLE: Secretory effects of gastrins on isolated perfused porcine pancreas

AUTHOR(S): Lindkaer Jensen, Steen; Rehfeld, J. F.; Holst, J. J.; Fahrenkrug, J.; Nielsen, O. V.; Schaffalitzky de Muckadell, O. B.

CORPORATE SOURCE: Dep. Surg. Gastroenterol. C, Rigshosp., Copenhagen, Den.

SOURCE: American Journal of Physiology (1980), 238(2), E186-E192

CODEN: AJPHAP; ISSN: 0002-9513

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The effects of the 4 main forms of gastrin component I [9045-90-3], porcine gastrin-34I [60675-78-7]; porcine gastrin-34II [60675-79-8]; porcine gastrin-17I [14355-20-5], porcine gastrin II [18016-68-7], and porcine gastrin-14II [54135-52-3] on insulin [9004-10-8], glucagon [9007-92-5], and exocrine secretion were measured on the isolated perfused porcine pancreas. All gastrins were studied in concns. ranging from 10⁻¹¹ to 10⁻⁸M. Depending on the glucose concn. in the perfusate, all 4 gastrins increased insulin or glucagon secretion in a dose-dependent manner in concns. above 10⁻¹⁰M. These concns. are slightly above the arterial concns. in normal pig and man, but they correspond to gastrin concns. measured in patients with achlorhydria and gastrinomas. The exocrine secretion was stimulated by all gastrins in a dose-dependent manner. The lowest concns. that stimulated flow rate were within the physiol. range, 10⁻¹¹ and 10⁻¹⁰M. All gastrins induced maximal flow rate at a concn. of 10⁻⁹M. The sulfated form of gastrin-17 had the greatest efficacy. Thus, all gastrins may influence the exocrine secretion under normal conditions and the endocrine secretion in diseases with endogenous hypergastrinemia.

IT 60675-78-7 60675-79-8
RL: BIOL (Biological study)

(pancreas secretion response to)

=> file reg

FILE 'REGISTRY' ENTERED AT 14:25:48 ON 27 FEB 2003

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 113-115

L16 3 (L13 OR L14 OR L15)

=> d rn cn sql kwic nte 1-3

L16 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2003 ACS

RN **60675-79-8** REGISTRY *← use RN to match sequence to citation.*

CN Gastrin-34 II (swine) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-34-Gastrin II (pig)

OTHER NAMES:

CN Gastrin II (pig),. . .

NTE modified (modifications unspecified)

| type | location | description |
|----------|----------|-------------|
| uncommon | Glp-1 | - |

L16 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2003 ACS

RN **60675-78-7** REGISTRY

CN Gastrin-34 I (swine) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-34-Gastrin I (pig)

OTHER NAMES:

CN Gastrin I (pig),. . .

NTE modified

| type | location | description |
|---------------|----------|------------------|
| terminal mod. | Phe-34 | C-terminal amide |
| uncommon | Glp-1 | - |

L16 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2003 ACS

RN **60675-77-6** REGISTRY

CN Gastrin-34 I (human) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-34-Gastrin I (pig), 4-L-proline-14-L-proline-15-L-serine-22-L-leucine-

OTHER NAMES:

CN Human big. . .

NTE modified

| type | location | description |
|---------------|----------|------------------|
| terminal mod. | Phe-34 | C-terminal amide |
| uncommon | Glp-1 | - |

=> file home

FILE 'HOME' ENTERED AT 14:27:29 ON 27 FEB 2003